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KOREAN PATENT ABSTRACTS

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(54) ELECTRODE MANUFACTURING METHOD OF LITHIUM ION SECONDARY BATTERY

(57) Abstract:

PURPOSE: An electrode manufacturing method of lithium ion secondary battery is provided to prevent environmental pollution because water harmless to human body is used as solvent when cathode active material slurry is manufactured and reduce process and costs due to remove special equipment. Further, according to the present invention, moisture is completely removed by double drying process through heat wind and vacuum and therefore the performance and capacitance of the battery can be enhanced.

CONSTITUTION: The electrode manufacturing method of lithium ion secondary battery comprises: a step mixing and agitating the active material of soft carbon, the binder of styrene butadiene, water and tickener; a step coating the slurry as such on a substrate; a step drying it by heat wind under 100~130°C and 100~5 torr; and a step pressing by a roll and then cutting it into prescribed size. Said soft carbon is corks or low temperature plasticized carbon. The time needed to the dry is about 5~10 hr.

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